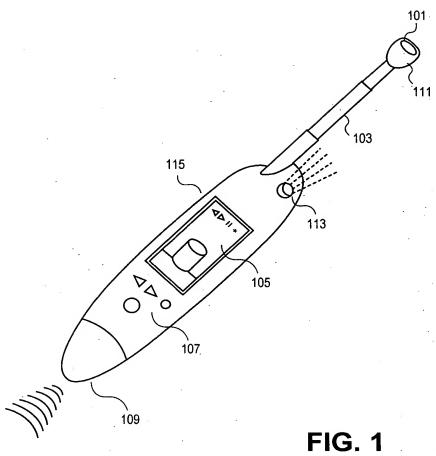
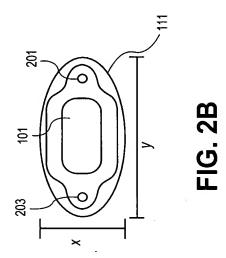
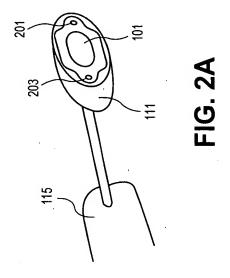
Blakely, Sokoloff, Taylor & Zafman LLP (310) 207-3800 Title: HAND HELD PORTABLE THREE DIMENSIONAL SCANNER 1st Named Inventor: Mark S. Knighton Express Mail No.: EV339907165US Docket No.: 4956P017 Sheet: 1 of 12



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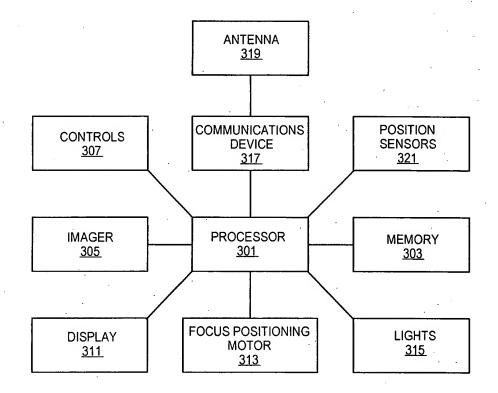


FIG. 3

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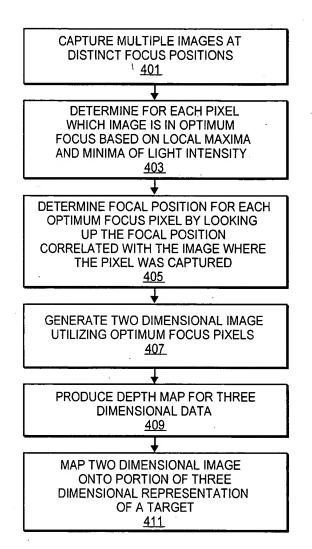


FIG. 4

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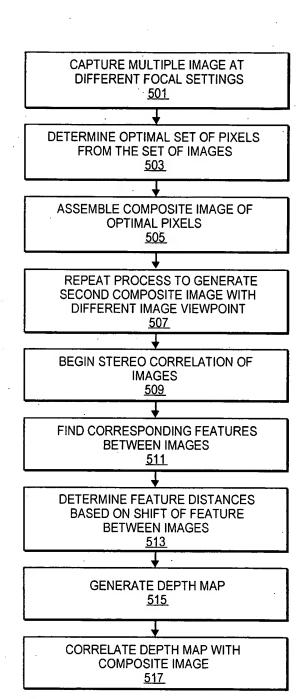


FIG. 5

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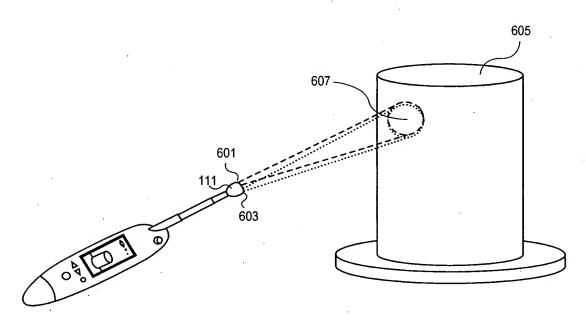


FIG. 6

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CAPTURE SECOND IMAGE AT SECOND PATH LENGTH 703

CALCULATE DISTANCE PER PIXEL 705

CREATE DEPTH MAP FOR PORTION OF THREE DIMENSIONAL TARGET 707

## FIG. 7

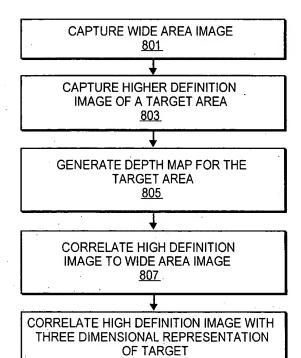


FIG. 8

809

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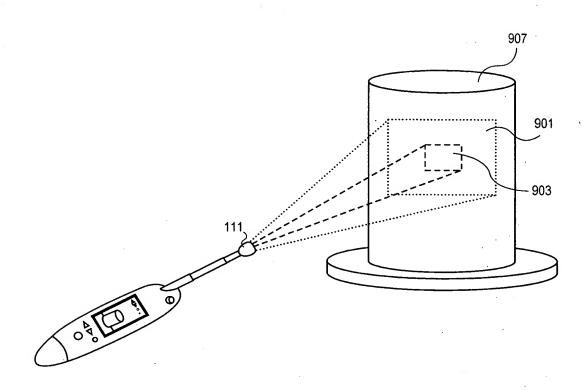


FIG. 9

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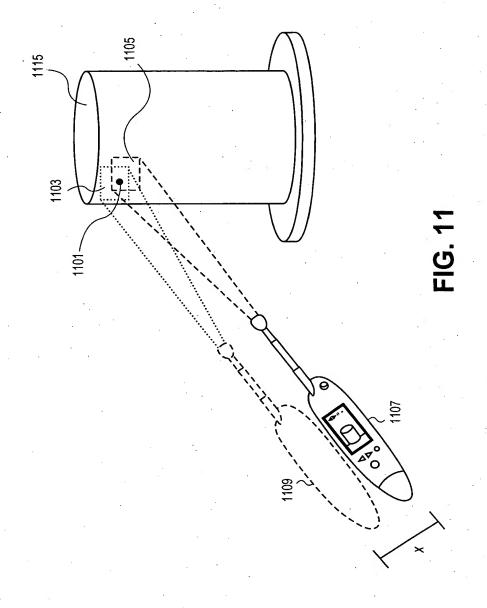
**GENERATE HIGH DEFINITION** IMAGE AND DEPTH MAP 1001 CORRELATE NEW DATA WITH THREE DIMENSIONAL REPRESENTATION OF TARGET BASED ON CURRENT POSITION <u>1003</u> **GENERATE TRACKING IMAGES** 1005 **UPDATE POSITION** <u>1007</u>

FIG. 10

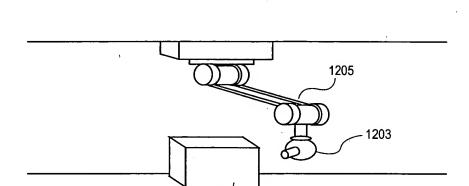
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1201

**FIG. 12A** 

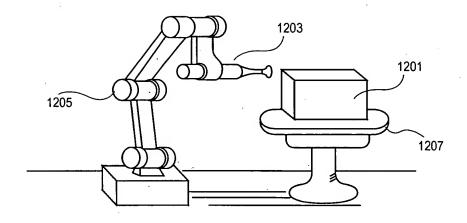


FIG. 12B

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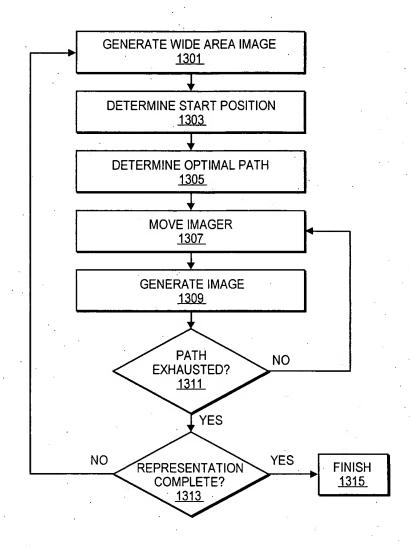


FIG. 13